



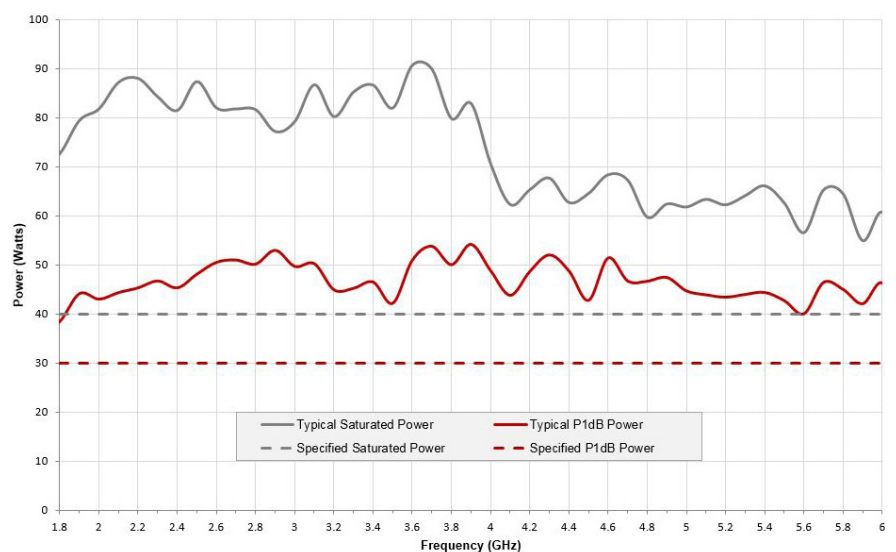
CBA 6G-040D 1.8 GHz TO 6 GHz 40 WATT SINGLE BAND POWER AMPLIFIER



- Compact Design
- Touch Screen Color Display
- Input Overdrive Protection
- USB, Ethernet, GPIB and RS232 Interface
- Built in Calibrated Directional Coupler

New, high power density, design has allowed us to produce a 40 watt, 1.8GHz to 6GHz amplifier in a compact 4U package. With a minimum of 30 watts of linear power this amplifier is ideal for RF immunity testing in a GTEM Cell or with a wide range of available horn antenna such as the Teseq BHA range. Readily integrated with the Teseq ITS6006 80MHz to 6GHz test system these amplifiers can form part of a broadband test system. The touch screen colour display gives an immediate visual indication of forward and reverse power along with the current operating status of the amplifier and access to diagnostic information such as gate current and heatsink temperature.

Fan speed adjusts depending on heatsink temperature thus ensuring the minimum audio noise level possible in the operating environment. The inbuilt calibrated forward power coupler provides a quick and easy way to monitor forward power with any power meter. Multiple remote interfaces are available as standard including USB, GPIB, RS232 and Ethernet. The amplifier is designed ready for a simple upgrade to higher power levels by the addition of extra power modules into the existing mainframe.





CBA 6G-040D 1.8 GHz TO 6 GHz 40 W SINGLE BAND POWER AMPLIFIER

Key Parameters

Frequency	1.8 GHz to 6.0 GHz
Saturated Power	40 Watts (minimum)
Power at P1 dB	30 Watts (minimum)
Gain	45 dB
Gain Flatness	+/-3 dB (maximum)

Additional RF Data

Harmonics at 30 W	-20 dBc
Maximum Input without Damage	+15 dBm
Spurious	-70 dBc
Stability	Unconditionally stable
Load VSWR without damage (All Phase Angles)	Infinite
Load VSWR without fold back (All Phase Angles)	Infinite
RF Input	Type N (socket)
RF Output	Type N (socket)

Impedance/VSWR

Output Impedance	50 Ω
Input VSWR	2:1
Output VSWR	2:1

Interfaces and Electrical

Interface	Touch screen, GPIB, RS232, Ethernet & USB
Safety Interlock	Rear Panel Mounted BNC-female
Supply Voltage	90–264 Vac
Supply Frequency	47–60 Hz
Supply Power Requirement	<0.4 kVA

Physical and Environmental

Dimensions	4U, 19 Inch Rack width, 615 mm deep
Weight	22 kg
Temperature Operational	0°C–40°C
Temperature Non Operating	-40°C–70°C
Humidity (Non Condensing)	95 %

Options: To be specified at time of ordering

Rear Panel RF Connectors	CBA 6G-040D-10
Front Panel RF Connectors	CBA 6G-040D

CONTACT US!

We're there where you need us.
See details on the last page.



Advanced Test Solutions for EMC

OUR SALES & SERVICE CENTERS

China

AMETEK Commercial Enterprise (Shanghai) Co. Ltd.

Beijing Branch
Western Section, 2nd Floor
Jing Dong Fang Building (B10)
Chaoyang District
Beijing, China, 100015
T +86 10 8526 2111
chinasales@ametek.com

Shanghai Office:

Part A1, A4, 2nd floor, Building No. 1
No. 526 Fute 3rd Road East
Pilot Free Trade Zone, Shanghai 200131,
China
T +86 21 5868 5111

Guangzhou Office:

Room 1410-12, Yian Plaza
33 Jian She Liu Ma Road
Guangzhou, China
T +86 20 8363 4768

Germany

AMETEK CTS Europe GmbH

Lünener Straße 211
59174 Kamen, Deutschland
T +49 2307 26070-0
sales.cts.de@ametek.com

Great Britain

AMETEK (GB) Ltd. t/a Teseq

5 Ashville Way, Molly Millars Lane
Wokingham
Berkshire RG41 2PL
Great Britain
T +44 845 074 0660
ametekgb.service@ametek.com

Japan

AMETEK Co. Ltd.

Tokyo office

3rd floor, Shiba NBF Tower,
1-1-30 Shiba-Daimon, Minato-ku
Tokyo, 105-0012, Japan
T +81 3 6809 2401
cts-japan.sales@ametek.com

Nagoya Office

1-329 Kifune Meito-ku Nagoya-shi
Aichi-ken, 465-0058, Japan
T +81 52 709 5501

Poland

AMETEK CTS Europe GmbH

Biuro w Polsce
ul. Ogrodowa 31/35
00-893 Warszawa, Polen
T +48 518 643 512
infopolska.cts@ametek.com

Singapore

AMETEK Singapore Pte. Ltd.

No. 43 Changi South Avenue 2
#04-01 Singapore 486164
T +65 6484 2388
singaporesales.cts@ametek.com

Taiwan

AMETEK Taiwan Corp. Ltd.

10F-5, No. 120, Sec 2,
GongDaoWu Rd.,
Hsinchu City 30072, Taiwan
T +886 3 57 5099
taiwan.sales.cts@ametek.com

USA

AMETEK CTS US

52 Mayfield Avenue
Edison, New Jersey 08837, USA
T +1 732 417 0501
Toll free: +1 888 417 0501
usasales.cts@ametek.com

CARE TO LEARN MORE ABOUT AMETEK CTS.

With service and sales centers
in Germany, Switzerland,
China, Japan, Singapore, the
USA and Great Britain, and
accredited labs across the globe,
we're where you need us.



GET MORE INFO ABOUT US AT:
www.ametek-cts.com

The contacts of our global
distribution partners could be
found at www.teseq.com